

pound of coal. Burned on one coaling and one

F. W. BOLGIANO & CO. 1009 B St. N.W. Selling Agents for Washington and Vicinity. Standard Brooder Stove Co., Cleveland, Obio.

GOLDEN BUFF Plymouth Rocks, S. C. Reds Owen's Farm's Best. Females in these pens are grand birds, headed by prize-winning cocks and cockerels.

15 Eggs, \$2.50 W. F. ORRISON, East Falls Church, Va.

POULTRY, DOGS, PET STOCK.



| Red Comb Scratch Feed, \$2.25 per 100 |
Eshelman's Scratch Feed	2.00 per 100
Eshelman's Chick Feed	2.55 per 100
Eshelman's Dry Masin	2.55 per 100
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S. C. Buff Orpingtons.

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MY BUFFS WON 21 FIRSTS, 6 seconds, drds in 6 shows. Send for free mating list id four years' show records. Ges. \$2.00 PER SETTING FROM ANY PEN. J. C. FORREST, Cherrydale, Va.

BOSTON TERRIER and Airedale puppies; thoroughbreds, Dr. Dornheim, 1329 10th st. n.w.

Waite's White Leghorns 200 chicks, nearly three weeks old, at 20c each. Several hundred chicks due to hatch about lpril 29.

April 29.

15 pullets and 1 cock bird for \$32.00.

First-prize cock bird \$6.00.

Also 5 pairs White Cochin Bantams \$2.50 per pair or \$10 for the bunch.

ROY H. WAITE, College Park, Md.

Every Egg a Lively Chick Why waste a hen's time why waste a nen's time for incubator heat on eggs which cannot possibly hatch, when you can get almost a 100 per cent. fertility test if you use or have been using

Pratts, Poultry Regulator

for the breeding stock. Only takes a little, about two pounds of Regulator to one hundred of mash, and you will get strong, livable chicks. Gives greater vigor, sound health and sound digestion to all poultry. 25c; 50e and \$1.00; 12-lb. pail, \$1.25; 25 lbs. \$2.50.

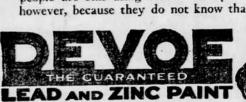
You will be equally successful with your baby Pratts Baby Chick Food

A perfect baby food for baby chicks. Costs you a cent a chick for three weeks. 25c; 50c; 14-lb. bag \$1.00.

SOLD BY FEED, SEED AND POULTRY SUPPLY DEALERS EVERYWHERE.

75 years ago everyone wore homespun-

and, likewise, everyone used hand-mixed paint. To-day, when machine-spun cloth is so much better and cheaper, no one would think of wearing homespun. Many people are still using hand-mixed paint, however, because they do not know that



will save them money and labor. Devoe Lead and Zinc Paint is simply made of the same ingredients the old-time painter used: Pure White Lead, Pure White Zinc, and Pure Linseed Oil. The only difference is that Devoe is mixed by machinery, 500 gallons at a time. Therefore,

it is always absolutely uniform in strength, color and covering capacity. We guarantee Devoe Lead and Zinc Paint to be pure.

It contains no whiting, silica or other worthless materials. Ask your dealer for a Color Card, or write to us for one. F. W. DEVOE & C. T. RAYNOLDS CO.

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Founded in New York in 1754. The oldest manufacturing concern in the United States.



How Long Will it Wear?"

is of much more importance than "What does it cost?"when you are buying roofing for your poultry house. Cheap roofings are cheap because they are made of cheap materials. The best roofing made is

It costs a little more than ordinary Mail this coupon, now tar or asphalt roofings, but gives years of additional wear. Hundreds of RU-BER-OID roofs applied more than twenty years ago

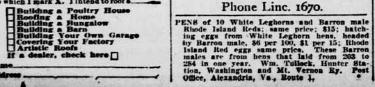
locality will sell you the

are still in excellent condition. RU-BER-OID is easy to lay in hot

--------or cold weather, but tar and asphalt roofings will crack in cold THE STANDARD PAINT CO.
Woolworth Building, New York
Send samples of RU-BER-OID and books opposite which I mark X. I intend to roof a weather and run in hot weather. Avoid imitations of RU-BER-OID. Look for the "Ru-ber-oid Man" shown above) on every roll. The RU-BER-OID dealer in your

Our book, "Building a Poultry House", sent free, gives practical plans for up-to-date buildings for large or small flocks. Sent free. The STANDARD PAINT CO. NEW YORK and CHICAGO

Building Book Coupon



POULTRY, DOGS, PET STOCK.



100% Pure Baby Chick Food

Not a Condimental Food Not a Condimental Food
STAR-CHIC-A is the Perfect
Baby Chick Food, because it is a
pure food, a food that is 100 per
cent pure. It is made to put the
Baby Chick on its feet and to
keep it there. When feeding
STAR-CHIC-A there is no "letting down" in the chicks, for the
reason that STAR-CHIC-A contains no adulterations, is not finvored with condiments, has no
drugs, chemicals or other "dope."
It is simply a Pure Food. Order
your STAR-CHIC-A today and
grow real chicks.

Prices: 1-lb. pkg., 10e: 5-lb.
pkg., 40e: 12½-lb. bag, 80e: 25lb. bag, \$1.60: 50-lb. bag, \$3.00;
100-lb. bag, \$5.75.

STAR-EGG-O

makes hens lay fertile eggs and keeps young chicks well. Try a 25-cent package. Star Remedies and Foods are for sale y all poultry and livestock, feed and GOLDEN & CO., Sales Agents, Washington, D. C.

"Blue Hen" HOT AIR



Single - comb White Leghorns and Orpingtons

FARM RAISED. Eggs for Hatching, \$1.00 for 15. \$5.50 per 100. Strong, Healthy Baby

Chicks, \$11.00 per 100. White Peking & Indian Runner Ducks, \$1 per Setting. Eggs and Stock in Season. Book Orders Now.

MRS. RYLAND. Corner Henry St., Brentwood, Md.

Phone Hyattsville 226.

C. R. I. RED EGGS for hatching, from heavy-laying strain, 75c per 15. A hennery eggs for select trade, 35 c MRS, M. S. LOGAN, Mt. Rainier, Md.

FOR SALE—Thoroughbred English buildog: "High Sheriff": registered in New York Kennel Club; four years old; has never been bred; lack of facilities for keeping him reason for aelling at sacrifice, price, \$150. Apply L. Stewart Barr, the Wyoming. KITTENS Pedigreed Persian kittens; two males; choicest stock; snow white; \$15 each 221 E n.w. Phone M. 3877. WANTED Incubators and brooders, 250 to 400 egg size; must be latest model and in good repair; state price and make; only those having some for sale cheap need reply. Box 276, Star office.

Star office.

FOR SALE—Setting eggs, from thoroughbred Barred Rocks; pens headed by males from Missouri experiment station; 75c per setting; 34 per 100. S. J. Price, McLean, Va. S.-C. RUFF LEGHORNS—1915-16 blue ribbon winners at Wash, D. C.; Charleston, W. Va.; Frederlek fair; eggs, \$2 per 15. Wm. E., Tilp, 36th st. below Newton, Mt. Rainier, Md.* Tilp, 36th st. below Newton, Mt. Kainier, Mo. 20ATS—Doe, lately fresh, \$12; also female kid, white, fine animal. Box 236, Star office. 21*

white, fine animal. Hox 236, Star office, 21°
EGG RECORD.
14 BUFF ORPINGTON pullets; January,
309; February, 293; 15 days March, 162; total,
767 eggs, 75 days. Hatching eggs, 32 per setting. W. E. Criser, 290 Bryant st. n.e. ting. W. E. Criser, 200 Bryant st. n.e.
C. FISHEL & 80N—World's best White
Wyandoites; stock direct; constant winners
past 3 years; bred from 200-egg hens; choice
cockerels and pullets for sale; eggs, \$2 per 15;
\$10 per 100. B.W.Fitzpatrick, Mt. Rainier, Md.

S. C. WHITE LEGHORNS PALMER'S COMMERCIAL STRAIN. (Established 1907.)

Baby Chicks Eggs for Hatching Breeding Stock Custom Hatching 5,000-EGG CAPACITY.

Pimmit Poultry Plant RALPH L. PALMER, Prop., McLEAN, VA. Near Selva Station on Great Falls Trolley.



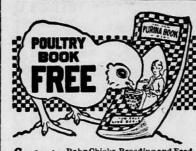
S. C. White Leghorns

Young and Rice Strains. The Big, Stay-White Kinds. Bred to Lay.

Eggs from Large, Vigorous, Pure White Stock. 15 Big White Eggs, \$1.00. 100 Big White Eggs, \$6.00. Every Egg Guaranteed Fertile. THOMAS C. POLLOCK,

> 1614 W St. S.E., Washington, D. C. Phone Linc. 1670.

POULTRY, DOGS, PET STOCK.



Contents: Baby Chicks, Breeding and Feed-ing Charts, Cures of Diseases, Timely Poultry Pointers, Plans for Poultry Houses, Trap Nests and Fixtures, Daily Egg If Purina Chick Feed and Purina Chicken Chowder are used as directed we guarantee



during the first six weeks of a chick's

etc. are necessary toproperlymature a chick These ingredients are scientifically mixed in Purina Chicken Chowder and sold at less than they would cost separately, even if available. Sold only in checkerboard bags by leading dealers. If your dealer doesn't sell them, mention his name in writing for free book. Raisten Purina Co. Inc. 842 Gratiet St., St. Louis, Mention of the contraction of t EGGS FOR HATCHING

95 PER CENT FERTILITY. White Leghorns; Barred Rocks.

Black Minorcas, \$1.00 a setting. IMPERIAL PEKIN DUCKS,

Orders taken for Chicks and Small Ducklings. Beechbank Poultry Yards,



BRED STOCK \$1.00 FOR 15 BIG WHITE SETTING EGGS \$5.50 FOR 100 BIG WHITE SETTING EGGS

A. W. KIDWELL, ASST



FRANK A. KERR invites inspection imperial "Ringlet" Barred Plymouth Rocks. Eggs. \$2.09, \$3.00 and \$5,00 for 13. 1361 Wisconsin ave. West 612.

your dealer's Today

THE G.E. CONKEY CO ..

EGGS—Barred Rock, best strain, \$1 per setting, \$5 per hundred: few fancy barred cockerels, \$2,50 each, 3112 South Dakota ave. n.e., Woodridge, North 4340.

Barred Plymouth Rocks ? GROVE'S BEST STRAIN. BABY CHICKS. EGGS FOR HATCHING.

BREEDING STOCK.
\$1.50 and \$4.00 a Setting.
Cockerels and Pullets For Sale. EUGENE A. GROVE, LIME KILN, MD. Phone Buckeystown 25.

NATIVE BELGIAN CAMPINES (SILVER AND GOLDEN) EGGS, S3 FOR 15.

These are pure native Belgian birds and not the delicate, so-called "English" or "limproved" (ampines, 3401 18th st. ne.

5th st. n.w. 20°
PITTSFIELD STRAIN S. C. White Leghorn and Barred Rock trap-nest eggs, \$1 and \$2.50 per 15; order day-old chicks now; Leghorns, \$12 per 100; Rocks, \$15 per 100. A. C. Johnson, 2314 Naylor road se.

SINGLE-COMB Rhode Island Red eggs for hatching; splendld winter laying strain. H. B. Benjamin. Rittenhouse st., Chevy Chase, D. C. Cleve, 648.

date.

LHODE ISLAND eggs for hatching; also Indian Runner ducks; fine stock; reasonable prices. Call 1216 N. Y. ave. n.w., or phone M. 19*

C. BROWN LEGHORNS Fine cock, 7 hens, from good show birds; price, \$12.

Bantams—2 pairs buff cochins, 1 pair black cochins, 3.50 per pair; good stock,
H. Holmead, 520 Shepherd at n.w. Col. 2261. HODE ISLAND RED eggs from a heavy lay-ing strain; setting of 15, \$1. R. B. Lloyd, Ballston, Va. 23* Ballston, Va.

C. W. LEGHORNS—Range raised; eggs for hatching, \$1 for 15; \$6 a 100; guaranteed. Strong and healthy haby chicks, \$15 per 100. R. E. Beall, Berwyn, Md. Tel., Berwyn 4-W. OR SALE—A few extra choice year-old S. C. White Leghorn cockerels; Danish strain; \$2 each; also settings of fifteen eggs, \$1.00; \$5.50 for 100. S. Williams, Berwyn, Md.

WHITEHAVEN FARMS.
S.-C. WHITE LEGHORNS.
Hatching eggs, 81 setting; 25.50 per hundred.
A. W. Kidwell, Ridge rd. D. C. Ph. West 385. 52.00 FROM FIRST PEN. \$1.50 from second, per setting of 15 eggs; White Rock and W. C. B. Polish. R. E. Lee, Kensington, Md. Phone Kensington 14-M.

STAR Poultry Ads Make Poultry Pay



Aim to Lessen Expense and Waste

however, should be purchased from the mills, and care must be taken to store it where there is a circulation of air. There will be less waste in ground feeds if they are mixed as soon as bought, and stored in grain boxes or barrels. If this is fed dry the hoppers must be so constructed that the fowis will not waste it. If wall hoppers are used, drive long nails through the dish of the hoppers about five inches abart, which will prevent the fowls throwing the grain out.

Another waste of feed is in indiscriminate feeding. Chemists have analyzed. which will prevent the fowls throwing the grain out.

Another waste of feed is in indiscriminate feeding. Chemists have analyzed grains and have ascertained the properties of an egg. If one wishes a hen to lay she must be fed grains containing the elements needed for egg production.

waste. It is of little avail that the birds are fed right if other conditions are not right. Hens may be fed a balanced ration approved by the latest poultry experts and yet not lay eggs if they have not clean quarters, warmth at and if they are not provided

Economy in Land.

Every inch of land should be utilized on a noultry farm. Americans are just beginning to know and realize som things about soil economy. The crowd

proved" Campines. 3401 18th st. n.e. • BANKED ROCKS—Holterman's dark strain; Latham's light strain; settings, utility quality, \$1; exhibition quality, \$3. Breeding stock for sale. A. R. Hester, 1824 R. I. ave. n.e., Woodridge, D. C. Buff Orpingtons, Forest and Cook strains; 1b eggs, \$1.50; 100 eggs, \$8. S. Lewis, 2809 Central ave., Woodridge, D. C. 100 eggs, \$8. S. Lewis, 2809 Central ave., Woodridge, D. C. 100 eggs, \$1.50; 100

of the easiest way possible and of no value whatever. As a matter of fact, poultry manure is one of the richest fertilizers in the world if properly cared for, but quickly deteriorates when exposed to rain and weather.

It should be taken directly from the henhouses to the land, or else stored under shelter. If a quantity of manure gets wet, very soon one can detect a strong smell of ammonia, the active fertilizing element that is set free by the action of water. In freezing weather the droppings will not lose in value if stored in the open, but care must be taken to scatter it well on the plowed land before it loses in fertilizing value. of the easiest way possible and of no and defective posts or rails replaced. ing value. Poorly planned buildings engender

much waste of time and energy. Have your buildings so planned that the greatest amount of work can be done with the least expenditure of energy. Then have a system about your work and each day follow the same routine. You will do the work and do it well almost automatically. almost automatically.

MAKING HIMSELF AT HOME.



to eat—
The Waiter—Sh! You seem to think

POULTRY YARD NOTES.

Efficiency in poultry raising, in are above the nests, and the custom these days of increasing cost of feeds, grains, etc., and of sharp competition, is as necessary as in any other line of human endeavor. Haphazard methods bring haphazard results with poultry as well as with everything else. The up-to-date farmer would no more The up-to-date farmer would no more The up-to-date farmer would no more think of running his farm with scrub horses, unprofitable cows, ancient, rickety machinery and the like than he would think of trying to grow crops without fertilizing his land. But the same farmer same farmer

Another waste of feed is in indisciplinate feeding. Chemists have analyzed grains and have ascertained the properties of an egg. If one wishes a hen to lay she must be fed grains containing the elements needed for egg production.

Methods of Feeding.

No dairyman would feed his milk cows the same ration he feeds when fattening cattle, yet many poultrymen feed quantities of fattening corn to their hens and then wonder why they do not lay.

Bright the some arrangement made for keeping these male blyds and the selected hens in a pen to them selected hens in a pen to the breeding season. The expense of such a pen to the prizes.

It is important that we should keep an account with the poultry and account with the poultry and account which hence the prizes.

It is important that we should keep an account with the poultry and selected hens in a pen to the prizes.

It is important that we should hence the prizes.

It is important that we should keep an account with the poultry and account which they are doing. When

their hens and then wonder why they do not lay.

Irregularity in feeding is another waste. It has been proved both by individual poultryme nand at experiment stations that a fixed quantity fed at stated intervals through the day and every day will produce eggs is, of course, necessary, but an and every day will produce eggs in the feed and a profit besides, while the same amount when fed only once through the day or twice one day and not at all the next would be a total loss, for the bens would not lay under such conditions.

Injudicious care is another waste. It has been proved both by individual poultry keepers may easily reduce the percentage of dirty or soiled eggs, and losses entailed to insignificant figures. First, an ample number of nests is, of course, necessary, but an ample number means no more than, and probably not as many as, are usually directed by poultry writers. Laying houses are, as a rule, provided with a sufficient number, but where the keeper falls down is in failing to supply enough nesting material and floor litter.

Some of the cracked eggs show plainly to the ordinary observer that the many deposit their eggs in the plumage, generally near the vent, and live upon the sourt, dead skin and losses entailed to insignificant figures. First, an ample number of nests is, of course, necessary, but an ample number of nests is, of course, necessary, but an any and not at small probably not as many as, are usually directed by poultry writers. Laying houses are, as a rule, provided with a sufficient number, but where the keeper falls down is in failing to supply the family.

Lice live upon the bodies of the poultry. They deposit their eggs in the plumage, generally near the vent, and live upon the scurf, dead skin and teathers. To get rid of them remedies must be applied to the bird.

The late-hatched chicks will not do well after winter sets in and they are damaged even if the member by. They deposit their eggs in the plumage, generally near the vent, and live upon the scurf, dead skin and teathe

Obviously the nesting material must be clean, or the eggs become soiled by contact, and it must be sufficient in quantity, or the eggs are often broken by dropping upon the hard floor of the legg that is hatched is laid.

In houses where the dropping-boards too fat before the breeding season.

Efficiency.

Lefficiency.

Suggestions for Converting ByProducts and Waste Into
Poultry Profits.

By BERT CONNELLY.

(Copyright, 1916.)

The poultry business has only recently risen from the obscurity of merely "keeping hens," and has taken its rightful place as a properly qualified industry. There is much printed and said about poultry as a fad, as a means of getting interested in outdoor life and of giving one some live interest outside of shop; but no practical man or woman can remain interested in outdoor life and of giving one some live interest outside of shop; but no practical man or woman can remain interested from any length of time in a fad that shows no profit. So the man who is looking to poultry for his living and the one who is interested in it needs the content of the profits of the man who is looking to poultry for his living and the one who is interested in it needs the content of the profits of the man who is looking to poultry for his living and the one who is interested in it needs the content of the profits of the profits of the content of the cardy spring pack is well with strict quarantine and district quarantine and distric

extra care, the pure-bred will respond to the good treatment and do good work as long as they five, but the pure-bred in outdoor life and of giving one some live interest of outside of shop; but no practical man or woman can remain interested journal or woman can remain interested journal to poultry for his living and the one who is interested in it merely as a fadare both asking the same question:

If your slock is run down improve it, arid fail poor staff. Don't be afraid to of all poor staff. Don't be afraid to find in prove that is in close resemblance to some of incombs, the poultry farmer should plan to have some ready money available, so that he may buy much of his grain at that time of the year. In the caster and northern states, buckweat, wheat aid oats can frequently be bought at home markets, the committed and oats can frequently be fought, and stored in grain boxes or barrels. If the start of you in the flock. It has been proved by experiments that impurities given off from the proposition of the flock in the flock in the flock in the flock. It has been proved by experiments that impurities given off from the proposition of the flock in the floc

It will be worth an experiment to assort eggs before selling them, by separating the dark-colored eggs from those that are light, and also having the different sizes together.

Appearance is worth a great deal in the selling of an article, and eggs will sell quicker than anything eise if sent to market in an attractive manner.

Appearance is worth a great deal in the selling of an article, and eggs will and may be even greater. The 10 eggs sell quicker than anything else if sent to market in an attractive manner, which adds at least one-fourth more to the prices.

The chick's constitution is made be-

ALL AROUND THE PLACE.

or field peas it is usually advisable to inoculate, otherwise the growth will not be sufficient to pay for the seed and the extra labor.

Forest culture is as much of an art as is corn culture. A good woodlot, like a good corn field, is the result of ap-

CRACKED EGGS CAUSE

Nearly Million Dollars Wasted Annually Through Improper Methods of Packing.

Prevention of Breakage Simple Means of Cutting Off Tremendous Losses.

About 50 per cent of the egg crop of months of March, April, May and June. and most desirable for cold storage.

April and May.

and the consumer, investigations show is certainly not less than 10 per cent

What Becomes of Cracked Eggs.

What happens to all these cracked or leaking eggs? The mashed eggs are a eggs can sometimes be sold in the

May, practically all eggs are of high quality except the infertile eggs and rots that many farmers take from the incubator and offer as fresh to the storekeeper or shipper. Because of the high average of good eggs, the grading during these months is largely concerned with size, cleanliness and soundness of shell.

Cracked Eggs Lower Prices.

things about soil economy. The crowded countries across the sea bave been compelled to cherish every foot of soil as a possession almost as precious as a precious as a precious as a possession almost as precious as a precious defense as a precious Because there are so many lightly

against the filler infects it and the egg in the next cell becomes moldy. Each leaking egg causes about two eggs besides itself to rot. On the other hand, good, early spring eggs with sound, clean shells show less than 1 per cent loss from decay by November. In other words, it early the control of the con

in the dor or orn. Fresh manure spread on the top of plowed land and worked in with the harrow will give better region to the post of the proposition of the season unless the manure be very classes.

For est culture is as much of an art as good corn culture. A good woodlot, like a good corn field, is the result of a good corn culture, a good corn field, is the result of a good corn field, is the result of a good corn culture. A good woodlot, like a good corn field, is the result of a good corn culture. A good woodlot, like a good corn field, is the result of a good corn field, is the result of a good corn culture. No more is a woodlot, classed to the farm nor a paying investment of the farm the field with the disk harrow of the sell.

Loss \$94 Per Carload.

Eggs at the castern seaboard during the cutting is done will determine what th